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APPLICATION NO.	FII	LING DATE	FIRST NAMED INVENTOR Johannes W. Belt	4	ATTORNEY DOCKET NO.	CONFIRMATION NO. 3543
10/036,495	0	01/07/2002			P 290576 4133US/CNT1	
909	7590	05/07/2003				
PILLSBURY WINTHROP, LLP				. [EXAMINER	
P.O. BOX 10500 MCLEAN, VA 22102					WILSON, DONALD R '	
					ART UNIT	PAPER NUMBER
				1713		

DATE MAILED: 05/07/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

•		Applicati	on No.	Applicant(s)						
	•	10/036,4		BELT ET AL.						
:	Examine		Art Unit							
	Office Action Summary	Donald R		1713						
	The MAILING DATE of this communicat				dress					
Period for Reply										
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status										
1)□	Responsive to communication(s) filed	on								
2a)□	This action is FINAL . 2b))⊠ This action is	non-fin	al.						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.									
Disposition of Claims										
4)⊠	4)⊠ Claim(s) <u>1-11</u> is/are pending in the application.									
4a) Of the above claim(s) is/are withdrawn from consideration.										
5) Claim(s) is/are allowed.										
6)⊠ Claim(s) <u>5</u> is/are rejected.										
7)🖂	7)⊠ Claim(s) <u>1-4 and 6-11</u> is/are objected to.									
8) Claim(s) are subject to restriction and/or election requirement.										
Application Papers										
9) The specification is objected to by the Examiner.										
10)□ 7	The drawing(s) filed on is/are: a)[accepted or b)	objecte	d to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).										
11)☐ The proposed drawing correction filed on is: a)☐ approved b)☐ disapproved by the Examiner.										
If approved, corrected drawings are required in reply to this Office action.										
•	12) The oath or declaration is objected to by the Examiner.									
Priority under 35 U.S.C. §§ 119 and 120										
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).										
a) □ All b) □ Some * c) □ None of:										
	1. Certified copies of the priority documents have been received.									
	2. Certified copies of the priority documents have been received in Application No									
	3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.									
14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).										
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.										
Attachment(s)										
2) Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO- nation Disclosure Statement(s) (PTO-1449) Pape		5) 🔲	Interview Summary (PTO-413) Paper No(Notice of Informal Patent Application (PT0 Other:						

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DETAILED ACTION

Claim Rejections - 35 USC § 112, First Paragraph

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claim 5 is rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Claim 5, depends from Claim 1 and contradicts the proviso in Claim 1 by stating that the process includes "--- the use as polymer of NBR that is polymerized in the presence of an antidegradant." The specification specifically teaches that "[t]he use of NBR that is polymerized in the presence of an antidegradant is excluded in the process of the invention" (underlining added). Further, Claim 1 from which Claim 5 depends has the proviso "with the use of NBR that is polymerized in the presence of an antidegradant being excluded" (underlining added). Thus, it is not seen that the specification enables an inventive process as claimed in Claim 5.

Claim Rejections - 35 USC § 112, Second Paragraph

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claim 5 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the Invention.
- 5. Clam 5 is indefinite for the same reasons discussed above in the rejection under 35 U.S.C. § 112, first paragraph. It is not seen that the process can at the same time both exclude and include the same component.

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Objection to Claims

6. Claims 1-4 and 6-7 are objected to because of the following informalities: The acronym "NBR" needs to be defined at its first appearance in the claims: This objection can be overcome by deleting "NBR" in Claim 1 and inserting therefore "nitrile butadiene rubber (NBR)". Appropriate correction is required.

Allowable Subject Matter

7. Claims 1-4 and 6-11 would be allowable over the prior art of record if amended to overcome the above objection. The instant claims are drawn to a process for hydrogenated a conjugated diene/nitrile group containing polymer in the presence of hydrazine, an oxidizing compound and an antioxidant. There is considerable art on hydrogenating such polymers in the presence of hydrazine and an oxidizing agent, as was originally taught by Wideman. Parker'356, cited by applicant in the specification, teaches the hydrogenation of an unsaturated polymer in latex form which is prepared in the presence of a copolymerizable antidegradant (antioxidant). However, the presently claimed process excludes such polymers, and there is no suggestion or evidence in the prior art that the presence of an antidegradant improves the degree of hydrogenation. No prior art has been found which discloses or suggests the hydrogenation process of an already formed conjugated diene/nitrile group containing polymer wherein an antioxidant is added during said hydrogenation process, which applicant has shown to result in an unexpected increase in the degree of hydrogenation, and a polymer which is more stable to further melt processing.

Future Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Donald R Wilson whose telephone number is 703-308-2398.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on 703-308-2450. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9310 for regular communications and 703-872-9311 for After Final communications. The unofficial direct fax phone number to the Examiner's desk is 703-872-9029.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 308-2351.

D. R. WILSON

faom; 5/1/03